Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/09/2021 09:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124405	-1	1.30	124308	1.25
Blue	F	SSC	125000	123157	-2	2.68	123435	2.62
Blue	E	FITC	13131	12612	-4	2.30	292	15.91
Blue	D	PE	24112	23813	-2	1.69	548	10.78
Blue	B	PerCP-Cy5-5	31295	30640	-3	3.11	1016	14.56
Blue	A	PE-Cy7	19939	19586	-2	5.30	521	29.57
Red	C	APC	42122	41431	-2	3.02	1732	11.30
Red	A	APC-Cy7	22340	21532	-4	3.28	807	11.68
Violet	B	V450	7410	7063	-5	3.60	436	12.41
Violet	A	V500	28118	26848	-5	3.21	673	10.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22796	1.07	571	2	N/A	N/A	Pass
Blue	F	SSC	57345	1.09	520	8	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	0	0.0385	83	Pass
Blue	D	PE	115	38.44	491	3	0.4637	415	Pass
Blue	B	PerCP-Cy5-5	189	36.79	586	0	0.0201	114	Pass
Blue	A	PE-Cy7	104	69.05	628	0	0.0214	0	Pass
Red	C	APC	403	23.81	578	2	0.0289	207	Pass
Red	A	APC-Cy7	179	27.23	551	0	0.0062	799	Pass
Violet	B	V450	61	62.82	457	4	0.0630	2428	Pass
Violet	A	V500	97	35.07	468	3	0.0240	819	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.70	-31.48	1.04
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.94	13.60 - 20.40	N/A	N/A	29.87	30.05	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10213

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments